

ABSTRACT OF THE DISCLOSURE

A compressor for a turbocharger having a compressor wheel with compressor blades, and being mounted for rotation on a shaft. The compressor has a shroud mounted adjacent the wheel and defining a gas
5 flow path between the shroud and the blades from a compressor inlet to a diffuser outlet. In cross-section the shroud has a surface in the flow path, the surface having a profile that includes a section with a smoothly curving surface and at least one relative discontinuity forming a downstream-facing face.